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IN THE UNITED STATES PATENT AND TRADEMARK OFFICECERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached thereto are being deposited with the United States Postal Service on June 23, 2005 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV 624633825 US, addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.



Sheri Hayden

Attorney Docket No.: UCALP031

First Named Inventor: Richard A.
Mathies**TRANSMITTAL LETTER FOR A PCT INTERNATIONAL APPLICATION ENTERING THE NATIONAL STAGE IN THE U.S. AS A DESIGNATED or ELECTED OFFICE UNDER 35 USC 371**

Mail Stop PCT
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith are the papers required to enter the national stage in the U.S. as a designated office/elected office for the following PCT international patent application:

INTERNATIONAL APPLICATION NUMBER: PCT/US03/41466**Int'l Filing Date:** December 29, 2003**1st Priority Date:** December 30, 2002**Inventor(s):** Richard A. Mathies, William H. Grover, Brian Paegel, Alison Skelley, Chung N. Liu, Eric Lagally and Robert Blazej**For:** METHODS AND APPARATUS FOR PATHOGEN DETECTION AND ANALYSIS

This is an express request to begin national examination procedures (35 U.S.C. 371(f))

The United States Patent Office is: (select one)

- A Designated Office (No Demand was filed - See 37 CFR 1.494)
- An Elected Office (A Demand for Preliminary Examination was Filed - See 37 CFR 1.495)

Enclosures:

- A copy of the international application (if this line is not checked, the international application was previously communicated by the International Bureau or the international application was originally filed in the U.S. PTO).
- A Declaration For Original U.S. Patent Application
- A Power of Attorney By Assignee And Exclusion of Inventors Under 37 C.F.R. 3.71
- A copy of amendments made under PCT Article 19
- A translation of amendments made under PCT Article 19
- A copy of the amendments made under PCT Article 34 (annexes to the international preliminary examination report)
- A translation of amendments made under PCT Article 34 (annexes to the international preliminary examination report)

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JC09 Rec'd PCT/PTO 23 JUN 2005

- Information Disclosure Statement with Form 1449 and cited references
- An Assignment of the Invention to: The Regents of the University of California.
(with \$40.00 recordal fee)
- A Preliminary Amendment
- A copy of the International Search Report
- A copy of the Preliminary Examination Report
- A Substitute Specification Marked up copy of Substitute Specification

Fee Calculation:

<input checked="" type="checkbox"/>	Applicant is entitled to Small Entity Status under 37 C.F.R. §1.27.	
<input checked="" type="checkbox"/>	Basic National Stage Fee	\$150.00
<input checked="" type="checkbox"/>	National Stage Search Fee	\$250.00
<input checked="" type="checkbox"/>	National Stage Examination Fee	\$100.00
<input type="checkbox"/>	Surcharge for filing a late oath or declaration or late translation (\$130/65)	\$
<input checked="" type="checkbox"/>	Assignment recordation fee (\$40)	\$40.00
<input type="checkbox"/>	Multiple dependent claims (\$360/180)	\$
<input type="checkbox"/>	Excess claims - see calculation below	\$
Total Claims:	37- 20 = 17	X \$50/25 claim = \$425.00
Independent Claims:	5- 3 = 2	X \$200/100 ind. claim = \$400.00
		Excess Claim Total \$825.00
		TOTAL FEES \$1,365.00

- Check No. 10775 in the amount of \$1,365.00 is enclosed cover the filing fees (including the basic national fee under 37 CFR 1.492(a)) as calculated above.
- The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 500388 (Order No. UCALP031).

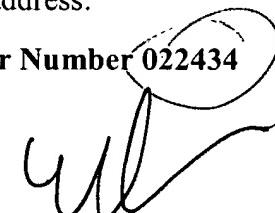
General Authorization for Petition for Extension of Time (37 CFR §1.136)

- Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 500388 (Order No. UCALP031).

- Please send correspondence to the following address:

Customer Number 022434

Date: June 23, 2005


William J. Egan, III
Registration No. 28,172